

VI. CLAIMS

1. A mower for cutting herbage comprising in combination:

a frame having forward and rearward ends and journaling at least one wheel for support on and locomotion over a supporting surface;

5 a powering structure having upper and lower end portions coupled to the frame for adjustable vertical motion relative to the frame; and

a sickle bar structure pivotally carried by the lower portion of the powering structure for adjustable pivotal motion in a laterally extending vertical
10 plane.

2. The mower of Claim 1 wherein the at least one wheel comprises at least two wheels journaled by the frame in elongately spaced co-planar relationship.

3. The mower of Claim 1 wherein the powering structure has a medial tubular powering column with a motor at an upper end portion of the powering column operatively communicating with a power shaft depending through the powering column to
5 operatively engage a transmission structure carried by a lower portion of the powering column to operate the sickle bar.

4. The mower of Claim 3 wherein the sickle bar structure is pivotally carried by the transmission structure; and

the sickle bar structure operatively communicates with the transmission structure to cause oscillatory motion of at least one cutter bar in the sickle bar structure responsive to rotary motion of transmission structure elements.

5. The mower of Claim 1 wherein the sickle bar structure provides an elongate cutter bar that oscillates between upper and lower support bars and has a plurality of sequentially adjacent cutter teeth on both a forward edge and a rearward edge to allow cutting by moving the mower in a forward and a rearward direction.

6. The mower of Claim 1 further having an elongate manipulating handle carried by the rearward end of the frame and extending upwardly and rearwardly from the frame said manipulating handle having means for angular adjustment in an elongately extending vertical plane.

7. The mower of Claim 6 wherein the sickle bar structure is foldable substantially vertically upward adjacent the frame and the manipulating handle is foldable forwardly over the frame

and over the sickle bar structure to form a compact mower
5 structure for periods of non-use and transport.

8. A mower for cutting herbage comprising in combination:

an elongate frame, having forward and rearward
ends, journaling at least two elongately spaced co-planar
wheels, for support and locomotion on a supporting
5 surface, and having a manipulative handle adjustably
extending upwardly and rearwardly from the rearward end of
the frame;

a powering structure carried by the frame for
adjustable vertical motion relative to the frame, said
10 powering structure having a tubular powering column with a
motor at an upper end portion operatively communicating
with a powering shaft depending through the powering
column to operatively engage a transmission structure
carried by a lower portion of the powering column; and

15 a sickle bar structure carried by the
transmission structure for adjustable pivotal positioning
in a laterally extending vertical plane, said sickle bar
structure operatively communicating with the transmission
structure and having means to translate rotary motion of
20 the transmission structure to oscillatory motion of at
least one cutter bar in the sickle structure to allow

cutting in both a forward and rearward direction responsive to motion of the mower.

9. The mower of Claim 8 wherein the at least one cutter bar comprises:

at least two similar adjacent cutting bars reciprocating 180 degrees out of phase with each other.

10. The mower of Claim 8 wherein the sickle bar structure folds upwardly with the at least one cutter bar adjacent a side of the frame and the manipulative handle folds forwardly and downwardly over the at least one cutter bar and to the frame for compaction of the mower during periods of non-use.